

Claims

Sub B1
1. A three piece wheel (1) for motor vehicles, comprising an outer rim (2) provided with second holes (6) in proximity with its own periphery, an inner rim (3) provided with a groove (9) with a wall (10), the outer (2) and inner (3) rims forming a support for a tyre; a disc (4) provided with at least first holes (6) in proximity with its periphery, the disc (4) being partially superposed onto the outer rim (2); means (5; 18, 9) for connecting the disc (4), the outer rim (2) and the inner rim (3), the connecting means (5; 18, 19) being provided with an axis (8) and passing through the first (6) and the second holes (7) of the disc (4) and of the outer rim (2); the wheel (1) being characterised in that the connecting means (5; 18, 19) are inserted in the thickness of the wall (10) of the groove (9) of the inner rim (3) without projecting therefrom and in that the axis (8) of the connecting means (5; 18, 19) is in proximity to or coincident with the neutral axis (12) of said wall (10) of the groove (9) of the inner rim (3).

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2. A wheel as claimed in claim 1, characterised in that the disc (4), the inner rim (3) are obtained by casting and in that the outer rim (2) is made of stamped plate.

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Sub A1
3. A wheel as claimed in claim 1 or 2, characterised in that the connecting means are coach screws (5) in the inner rim.

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4. A wheel as claimed in claim 1 or 2, characterised in that the connecting means are stud bolts (18) screwed in the inner rim and comprise fastening nuts (19) acting on the disc (4).

Add A2

Add B1

Add B2